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Design, Modeling, and Control of Rotating and Linear Electric Machines for Automotive Applications

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Message from the Guest Editor

Dear Colleagues,

The automotive industry is one of the main employers in the industrialized countries. The automotive market is nowadays a very competitive market with big actors in nearly all continents. These actors have to evolve and propose new solutions. The electric vehicle has been the main driver of this industry in recent years. Indeed, in order to address the problems of green gazes and polluting emissions of the classical IC engine vehicles, governments all over the world are imposing new legislation which have pushed the automotive industry to develop more or fully electric vehicles.

A large variety of electric machines and actuator topologies have been and are still being developed for automotive applications, by both the academic and industrial communities. Hence, the main objective of this Special Issue is to gather the ideas of the research community worldwide into a common platform and to present the latest advances and developments in the design, modeling, and control of electric machines and actuators for automotive applications.

Prof. Dr. Yacine Amara
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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